

Date: Wed, 16 Jun 93 01:00:05 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #732
To: Info-Hams

Info-Hams Digest Wed, 16 Jun 93 Volume 93 : Issue 732

Today's Topics:

 Are we losing our technical abilities?
 BNC connectors
 Field Day Power.
 Heathkit IG-28, Need manual
 Need help with field day VHF/UHF frequencies.
 Need tubes for Nazi field radio
 North Cooks on 80???

 Ohio/Penn DX Bulletin #115 (2 msgs)
 SB200 power supply problems - help please.

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 15 Jun 1993 16:22:50 -0700
From: agate!headwall.Stanford.EDU!morrow.stanford.edu!morrow.stanford.edu!not-for-mail@ames.arpa
Subject: Are we losing our technical abilities?
To: info-hams@ucsd.edu

In article <1vli8k\$756@techbook.techbook.com>,
genew@techbook.techbook.com (Gene Wolford) writes:

>
>I am forwarding this email discussion to the newsgroup in case someone may
>think it worthy of futher consideration.

>
>>From: davids@ims.com

>>

>>Apparently (a) the "J-slot" antennas he was talking about were not mobile,
>

>>He says "they're losing the technology", i.e. the hams of today are
>>SO STUPID, (UNEDUCATED) that all they can do is "go buy a box and
>>hook it up, so they don't have to think".

>
>

>It is probably true. I assert that this is ONE inevitable result of
>publishing all the test questions. Some might argue about no-code Tech
>tickets being a contributing factor but I disagree.

>
>It was originally necessary for each prospective ham to actually learn a

I don't think publishing the question pool causes people to get stupid.
Yes, it does let less technologically educated people into the service.
But, there is more to the service than technology. What about the people
who are interested in health, safety, and emergency assistance, and not so
much interested in Yagi design? eh? Are we all supposed to specialize in
transmitter design? The tests test for nothing in the area of
digital protocols and new modulation methods; and those are THE
blossoming new fields (I think).

>More liberalism at work? IE: It wouldn't be fair if some candidates couldn't
>pass the test. ^^^^

Some don't pass it!

>We may be seeing the results of the "dumbing down" of amateur radio operators
>to the lowest common denominator, just as we are seeing plummeting scores in
>the public school system.

The "plummeting scores" is probably related more to the fact that almost all
parents work now, and don't have the time or energy to assist their
children. But then I guess we all know who would have to be to blame if
this were true -- don't we?

>Gene

>

>-----

>Smoky the ham says:

> Only you

> ^^^

> can prevent ham radio becoming the next Citizens Band.

Techno-nurd the ham says:

Only you
 ^^^
can prevent ham radio becoming the next sub-atomic particle physics
of quark spin in zero gravity on a Tuesday afternoon
in the shade

Steve Eastman, Systems Programmer (KD6TTP)
Research Libraries Group, Inc.\Stanford University
1200 Villa Street, Mountain View, CA USA 94041-1100
VOX: 415-691-2387, FAX: 415-964-0943
Internet: BR.SJE@RLG.Stanford.Edu, Packet: KD6TTP@W6PW.#NoCal.Ca.USA.NA

Date: 15 Jun 1993 22:26:38 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
ux1.cso.uiuc.edu!sdd.hp.com!nigel.msen.com!fmsrl7!lynx.unm.edu!dns1.NMSU.Edu!
weasel@network.UCSD.EDU
Subject: BNC connectors
To: info-hams@ucsd.edu

Grady Ward (grady@netcom.com) wrote:
: What is BNC stand for?

At the time it was invented, it was the newest connector type. Hence the
acronym, "Brand New Connector." :)

--

.....
: _\| /\ |/_ T.J. Harrell III :
: \/\ \/ P.O. Box 4334 :
: / \ Las Cruces NM 88003 :
: /_____ \ weasel@acca.nmsu.edu :
:.....:

Date: Tue, 15 Jun 1993 22:01:37 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!elroy.jpl.nasa.gov!swrinde!gatech!kd4nc!
ke4zv!gary@network.UCSD.EDU
Subject: Field Day Power.
To: info-hams@ucsd.edu

In article <1vkclsINN4o4@rave.larc.nasa.gov> zawodny@arbd0.larc.nasa.gov (Dr.
Joseph M Zawodny) writes:

>

>All this talk of huge 10, 20, even 50kw generators -- all to run half a dozen

>radio stations is absurd. Look at the power requirements, efficiencies, and
>duty cycles of the equipment you'll be running field day. Don't forget to toss
>in a fan and a light for each station and a coffee pot. You'll soon see that
>even the 4 kw generator that we use for field day is over kill IF you have the
>ability to average out the peak loads (read that as "have batteries as primary
>power/current source").

Fans indeed! This is the 1990s, not the 1930s. We've got 10 tons of
air conditioning to run, not to mention the pizza oven and the blenders.
:-)

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 15 Jun 93 19:48:03 EST
From: usc!howland.reston.ans.net!newsserver.jvnc.net!yale.edu!nigel.msen.com!
ilium!sycom!js509s566@network.UCSD.EDU
Subject: Heathkit IG-28, Need manual
To: info-hams@ucsd.edu

I am looking for a manual for a Heathkit IG-28 color bar dot generator. It
can be an original or a photocopy. I will pay you for copying, postage, and
your time. Please E-mail if you can help.

Thanks and 73's

John N8QYL

Date: Wed, 16 Jun 1993 02:37:51 GMT
From: pa.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: Need help with field day VHF/UHF frequencies.
To: info-hams@ucsd.edu

glen@plato.ds.boeing.com (Glen Kristensen) writes:

>I managed to get myself volunteered to run the VHF/UHF station during
>field day. I am in need of information on what frequencies I should use.
>The following equipment is available to me:
> 6m All Mode
> 2m All Mode

- > 220 FM
- > 440 FM (All Mode when no satellite around)

On 6 meters, try 50.100 up to 50.200, but pay most attention to the area around 50.125 - 50.150. It will be all USB/CW. I'm not sure where the FM activity occurs although according to the ARRL band plan it's 52.02 - 52.04 MHz

On 2 meters, try 144.100 up to 144.300, but pay most attention to the area around 144.150 - 144.250. It will be all USB/CW. For FM, try any of the normal FM simplex frequencies in the range of 146.40 - 146.58 avoiding 146.52 MHz.

On 220 most activity in the Chicago area during VHF/UHF contests occurs on 223.500 MHz and is FM. Can't say what it's like in the Seatac area or on USB/CW although the ARRL band plan says 222.100 MHz is the SSB calling frequency.

440 FM simplex is usually 446.000 MHz.

Good luck and hopefully you'll get some *good* propagation on the best bands!

73,
Todd
N9MWB

Date: 15 Jun 1993 22:02:11 -0400
From: agate!howland.reston.ans.net!noc.near.net!genrad.com!genrad.com!not-for-mail@ames.arpa
Subject: Need tubes for Nazi field radio
To: info-hams@ucsd.edu

In these days of 'politcal correctness' I really must take you to task for describing your wireless as a "WWII Nazi Field Radio".

Whilst I'm sure lots of wireless equipment was used by members of the Nazi party during this time frame I can assure you that the majority of the conscripted German forces were not members of the Nazi party.

As is usual in times of war the average soldier, airman or sailor is but a mere pawn of the political despots and although I have no reason to defend or condone any activities undertaken by the german forces I do not believe we should label them all "Nazi's" or infer such.

My immediate family has long since come to terms with the atrocieties inflicted on them in the war and although we've not forgotten we've definately not

forgiven!.

My apologies for the soap box but we Europeans are funny about these things

73 Trevor G3WQO AB5EU still exiled in Texas

Date: 15 Jun 1993 22:07:50 -0400
From: agate!howland.reston.ans.net!noc.near.net!genrad.com!genrad.com!not-for-mail@ames.arpa
Subject: North Cooks on 80???
To: info-hams@ucsd.edu

ZK1AJJ/ZK1 was spotted on 3799 qsx 3801 at 1121z 15-JUN-93 in Texas

73 Trevor G3WQO AB5EU

Date: Tue, 15 Jun 1993 04:51:37 MDT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!gatech!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!alberta!adec23!ve6mgs!usenet@network.UCSD.EDU
Subject: Ohio/Penn DX Bulletin #115
To: info-hams@ucsd.edu

SB DX @ ALLBBS \$OPDX.115
Ohio/Penn DX Bulletin No. 115

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 115
BID: \$OPDX.115
June 14, 1993
Editor Tedd Mirgliotta, KB8NW
Provided by BARF-80 BBS Cleveland, Ohio
Online at 216-237-8208 14400/9600/2400/1200/300 8/N/1

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/EXIT

Date: Sun, 13 Jun 1993 16:16:25 MDT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!math.ohio-state.edu!uwm.edu!
caen!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!alberta!adec23!ve6mgs!
usenet@network.UCSD.EDU
Subject: Ohio/Penn DX Bulletin #115
To: info-hams@ucsd.edu

SB DX @ ALLBBS \$OPDX.115
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June 14, 1993

Editor Tedd Mirgliotta, KB8NW

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/EXIT

Date: Tue, 15 Jun 1993 23:49:53 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!col.hp.com!
fc.hp.com!perry@network.UCSD.EDU
Subject: SB200 power supply problems - help please.
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.uucp) wrote:

: If you were to open one of the expensive high voltage rectifier
: stacks that come potted in epoxy, you'd find that they're just
: ordinary diode strings that were carefully matched at the factory.
: You can do the same at home.

1N4007s-equivalents from Digi-Key come on a tape, so it's quite likely
they are from the same batch. You get a generic 1N4007 for 10/\$.77 with
a 30 us recovery. The faster FR107 features 500 ns recovery at a cost
of 10/\$2.35.

This seems much cheaper/easier than the board of diodes/caps/resistors.
The problem with resistors is they usually have a 350v max on them, so
you end up putting three of them across a 1N4007 - that's more expensive
than the diodes themselves. Ditto for the .01/1000v caps. The other
bad thing is that the swamping resistors dissipate heat that can be
transferred to the diodes, making matters worse. It's far cheaper to
just string up three or four diodes to get the equivalent of a
K2AW-style high voltage rectifier, so Gary's comments are interesting.

I observe that the on-to-off transition occurs at the top of the sine
wave, where dv/dt is close to zero. The turnoff time for a 1N4007 is
typically 30 uS. Now, the voltage at 30 uS beyond turnoff is nowhere
near 1 KV - more likely around 50 volts for a 2 KV supply. The fastest
diode in the chain will hold that.

Maybe someone can explain the rationale for the swamping resistors and
transient capacitors to me. The explanation given in the ARRL Handbook
doesn't go into detail - it just says you have to have them. Maybe we
have better technology now than at the time the article was written.

Perry Scott
AA0ET

Date: Wed, 16 Jun 93 01:46:46 GMT
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!en.ecn.purdue.edu!n9ljx@purdue.edu

To: info-hams@ucsd.edu

References <Jun.9.19.54.05.1993.4568@andromeda.rutgers.edu>,
<gradyC8oCvM.12r@netcom.com>, <1vliauINNgq8@dns1.NMSU.Edu>
Subject : Re: BNC connectors

In article <1vliauINNgq8@dns1.NMSU.Edu> weasel@acca.nmsu.edu (Politically impolite!) writes:

>Grady Ward (grady@netcom.com) wrote:

>: What is BNC stand for?

>

>

>At the time it was invented, it was the newest connector type. Hence the
>acronym, "Brand New Connector." :)

I understand now. TNC must mean 'Totally New Connector'!

--

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References <gradyC8oCvM.12r@netcom.com>, <1vliauINNgq8@dns1.NMSU.Edu>,
<C8oyp9.Gtq@ucdavis.edu>.gov
Subject : Re: BNC connectors

In article <C8oyp9.Gtq@ucdavis.edu> ez006683@othello.ucdavis.edu (Daniel D. Todd) writes:

>Politically impolite! (weasel@acca.nmsu.edu) wrote:

>: Grady Ward (grady@netcom.com) wrote:

>: : What is BNC stand for?

>

>

>: At the time it was invented, it was the newest connector type. Hence the
>: acronym, "Brand New Connector." :)

>

>since they are british connectors that means TNC is "Terribly New
>Connector" right? :-)

So, UHF connectors have Unusually High Failure rates?

--scott

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"C'est un Nagra. C'est suisse, et tres, tres precis."

End of Info-Hams Digest V93 #732
